

# Precast Concrete Repair Kit

## DESCRIPTION

A ready to use [just add water], quick setting mortar, based on special cements. It contains selected aggregates and admixtures for improved properties.

## APPLICATIONS

Suitable for all fixing and repair work where quick-setting and rapid hardening is required, such as:

- \* Fixing posts, railings, brackets, hinges etc
- \* Quick repair of broken or damaged concrete [small areas only]
- \* Securing anchors, expansion bolts, pipes etc
- \* Fixing of metal supports
- \* Can be used on both vertical and horizontal surfaces.

## MAIN CHARACTERISTICS AND ADVANTAGES

- \* Simple to mix
- \* Easy to work
- \* Use what you want - just add water
- \* Sets in 1 to 3 minutes
- \* No special skills needed to use
- \* Will bond to most common building materials, concrete, stone, brick, tile, steel etc
- \* Material is hard in a matter of hours
- \* Can be painted after hardening

## HOW TO USE

Prepare the surface by carefully removing any loose damaged or broken material back to a sound and solid substrate.

Clean substrate by removing surface dust and any traces of dirt or previous coatings. If any steel is exposed, remove rust particles and treat with a Steel Primer.

Wash with a water jet to clean and dampen the surface.

Always apply to a damp substrate.

For improved performance for securing fixings, undercut the area to be filled with a dovetail shape. Roughen the cut edge to provide a key, prior to filling.

## MIXING

Add water to the dry mortar and mix until an even consistency is obtained.

Mix only the quantity of mortar that you can place within 1 to 3 minutes. After this time, the setting starts and it may be difficult to apply.

As a guide, 1kg of mortar, requires 0.2 litres of water.

## INSTALLATION

Can be carried out by gloved hand for small repairs or by trowel for larger areas. Push down to completely fill and level, taking care to compact the mortar in the areas immediately adjacent to any metal items to be secured.

A good surface finish can be produced using a wooden or plastic float, or a damp sponge.

Layer thickness should not exceed 20 mm. Where deeper areas exist, work wet onto wet and build up in 20 mm layers. If previous layer hardens, roughen to provide a key, dampen and apply.

Tools should be washed with water before the material cures.

When repair work is finished, protect the new mortar from wind and direct sunshine, whilst hardening. It is advisable to keep the area damp for at least 24 hours.

## COMPRESSIVE STRENGTH

3 N/mm<sup>2</sup> in 2 hours

8 N/mm<sup>2</sup> in 24 hours

30 N/mm<sup>2</sup> in 28 days

At 20 Deg C.

## SAFETY ADVICE

We advise the use of protective clothes [gloves and goggles].

In case of contact with eyes, immediately wash with plenty of clean water.